



Garden State Modular Homes

Coastal ZERH | Lavallette, NJ | GardenStateModular.com



Photos courtesy of Garden State Modular Homes

“Our ZERH projects have less call-backs for moisture and infiltration We pass our local inspections faster and more reliably.”
Jason Fertakos, Garden State Modular Homes, LLC



PROJECT DATA

- **Layout:** 5 bdrm, 3 bath, 2 fl, 2,709 ft²
- **Climate:** IECC 4A, mixed-humid
- **Completed:** November 2016
- **Category:** custom for buyer

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 40, with PV NA
- **Projected Annual Energy Costs:** without PV \$1,700, with PV \$NA
- **Projected Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,200, with PV \$NA
- **Annual Energy Savings:** without PV 4,500 kWh, 70 therms; with PV NA

KEY FEATURES

- **Walls:** 2x6 24" o.c.; R-21 fiberglass batts and 1" rigid exterior foam for R-26 total.
- **Roof:** Asphalt shingles
- **Attic:** R-49 loose-fill cellulose. Foam air sealing at penetrations and important framing locations.
- **Foundation:** Elevated foundation on wood piers set in concrete with skirt walls; floor joists insulated with closed-cell spray foam to R-24.
- **Windows:** Double-pane, low-e, vinyl-framed, U=0.29, SHGC=0.22.
- **Air Sealing:** 900 cfm 50.
- **Ventilation:** Exhaust fans on timers.
- **HVAC:** 96 AFUE, 2-stage gas furnace; 16 SEER AC; all ducts in conditioned space.
- **Hot Water:** 95% efficient tankless gas water heater.
- **Lighting:** 100% LED lighting.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer, ceiling fans.
- **Solar:** Pre-wired and designed for solar PV.
- **Water Conservation:** Motion sensor-operated recirculation pump.
- **Energy Management System:** Programmable thermostat
- **Other:** Factory-built modular construction. Outdoor shower. Low-VOC products.

CONTACT

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